

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/106372 A1

- (51) International Patent Classification⁷: C07K 14/47, A61K 35/36, 35/12, 38/16
- (21) International Application Number: PCT/NZ2004/000101
- (22) International Filing Date: 26 May 2004 (26.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
526157 27 May 2003 (27.05.2003) NZ
- (71) Applicant (for all designated States except US): VEL-VET ANTLER RESEARCH NEW ZEALAND LIMITED [NZ/NZ]; c/- Stephen Haines, AgResearch Invermay, Private Bag 50034, Mosgiel (NZ).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): COATES, Dawn, Elizabeth [NZ/NZ]; Invermay Agricultural Centre, Puddle Alley, Mosgiel (NZ). HAINES, Stephen, Roy [NZ/NZ]; 68 Tyne Street, Mosgiel (NZ). SUTTIE, James, Miller [NZ/NZ]; Invermay Agricultural Centre, Puddle Alley, Mosgiel (NZ).
- (74) Agents: WILSON, Kathryn, S. et al.; Level 3, Spicer Building, 329 Durham Street, P.O. Box 2201, Christchurch (NZ).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/106372 A1

(54) Title: DEER ANTLER EXTRACT FOR PROMOTING ANGIOGENESIS

(57) Abstract: An isolated extract of deer velvet which contains components which have molecular weights that are substantially less than or equal to 10 kDa and which have a proliferative effect on endothelial cells and/or promote angiogenesis.